

BILL NO. S-77-05- 38

SPECIAL ORDINANCE NO. S- 110-77

AN ORDINANCE approving Change
Order No. 14 in connection
with Division I - Wastewater Plant.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY
OF FORT WAYNE, INDIANA:

SECTION 1. That Change Order No. 14 to Hagerman-
Shambaugh, joint bidders, in connection with Division I,
Wastewater Plant, in the amount of \$34,782.00, as set out in
the specifications, is hereby in all things ratified, confirmed
and approved.

SECTION 2. This Ordinance shall be in full force
and effect from and after its passage and approval by the
Mayor.


Councilman

APPROVED AS TO FORM
AND LEGALITY, _____

CITY ATTORNEY

Read the first time in full and on motion by Burns, seconded by Hinga, and duly adopted, read the second time by title and referred to the Committee on City Utilities (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on _____, the _____ day of _____, 19____ at _____ o'clock _____ M., E.S.T.

DATE:

5/24/77

Charles W. Westerman
CITY CLERK

Read the third time in full and on motion by Burns, seconded by Hinga, and duly adopted, placed on its passage.
PASSED (10-1) by the following vote:

	<u>AYES</u>	<u>NAYS</u>	<u>ABSTAINED</u>	<u>ABSENT</u>	<u>TO-WIT:-</u>
<u>TOTAL VOTES</u>	<u>7</u>	_____	_____	<u>2</u>	_____
<u>BURNS</u>	<u>✓</u>	_____	_____	_____	_____
<u>HINGA</u>	<u>✓</u>	_____	_____	_____	_____
<u>HUNTER</u>	<u>✓</u>	_____	_____	_____	_____
<u>MOSES</u>	_____	_____	_____	<u>A</u>	_____
<u>NUCKOLS</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHMIDT, D.</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHMIDT, V.</u>	<u>✓</u>	_____	_____	<u>A</u>	_____
<u>STIER</u>	<u>✓</u>	_____	_____	_____	_____
<u>TALARICO</u>	<u>✓</u>	_____	_____	_____	_____

DATE:

6-14-77

Charles W. Westerman
CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as
(~~ZONING MAP~~) (~~GENERAL~~) (~~ANNEXATION~~) (~~SPECIAL~~) (~~APPROPRIATION~~) ORDINANCE
(~~RESOLUTION~~) No. 8110-77 on the 14th day of June, 1977
ATTEST: (SEAL)

Charles W. Westerman
CITY CLERK

John Nuckols
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 15th day of June, 1977 at the hour of 1:00 o'clock P. M., E.S.T.

Charles W. Westerman
CITY CLERK

Approved and signed by me this 20th day of June, 1977,
at the hour of 10:30 o'clock A. M., E.S.T.

Rahul Elumshong
MAYOR

Bill No. S-77-05-38

REPORT OF THE COMMITTEE ON CITY UTILITIES

We, your Committee on City Utilities to whom was referred an Ordinance
approving Change Order No. 14 in connection with Division I - Wastewater Plant

have had said Ordinance under consideration and beg leave to report back to the Common
Council that said Ordinance 80 PASS.

PAUL M. BURNS - CHAIRMAN

FREDRICK R. HUNTER - VICE CHAIRMAN

VIVIAN G. SCHMIDT

WINFIELD C. MOSES, JR.

JAMES S. STIER

6-14-77 CONCURRED IN
DATE CHARLES W. WESTERMAN, CITY CLERK

Memorandum

To Board of Works Date 5-4-77
From Neil Wisler
Subject WPC Plant Expansion - Change Order for Division I

COPIES TO:

Enclosed is change order #14 for additional work on Division I.

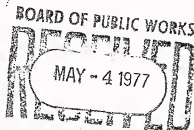
We have reviewed this change order and it has been signed by the contractor and engineer.

We are submitting to you for review and approval.

Neil Wisler
Neil Wisler
Programs Manager
Water Pollution Control Plant

NW/gw

Enclosure



NOTED

- ☐ H.P.W.
- ☐ E.H.L.
- ☐ M.G.S.

Date: _____

64-210-14 7/9/77

PROJECT Water Quality Control Project OWNER City of Fort Wayne, IndianaDIVISION/~~XXXXXX~~ I - Water Pollution Control Plant AdditionsCHANGE ORDER NO. 14TO: Hagerman-Shambaugh - Joint Bidders% Hagerman Construction CorporationP.O. Box 690 - 403 Strauss BuildingFort Wayne, Indiana 46801

You are hereby authorized to make the following additions and/or deductions to your contract amount.

	Previous Contract Amount	Increase	Decrease	Net Change (Reduce) (Add)	Revised Contract Amount
TOTAL	\$ <u>21,112,149.10</u>	\$ <u>34,782.00</u>	\$ <u>-0-</u>	\$ <u>34,782</u>	\$ <u>21,146,931.10</u>

Description of Change:AddDeductItem No. 1

Furnish all labor and material necessary to remove and replace the existing steel sample lines which are located in the existing Aeration Pipe Gallery. The extra work entails removal of approximately 2,000 L.F. of 1" steel line and approximately 100 L.F. of 1-1/2" steel line, then install the same size and amount of new Schedule 80 P.V.C. in the same location as lines that are being removed.

\$ 4,965.00

Item No. 2

Furnish all labor and material necessary to change the material of new chlorine tank car unloading facility padding air line. Approximately 800 L.F. of 1" Schedule 80 black iron pipe plus miscellaneous fitting will be required.

3,349.00

PAGE NO. 2

CHANGE ORDER NO. 14

PROJECT Division I - Water Pollution Control Plant Additions

Item No. 3

Add

Deduct

Furnish all labor and material necessary to apply a waterproofing material to the north and east interior walls of aeration tank No. 6A, and the east wall of aeration tanks 6B, 7A, 7B, 8A, 8B, 9A, 9B and all exposed deck surfaces over the new and existing pipe gallery. The waterproofing material shall be Vulkem 101 and 350 as manufactured by Memeco International or Duralseal 3100 as manufactured by Dural International Corporation or equal.

\$ 17,490.00

Item No. 4

Furnish all labor and material necessary for installing an asphalt drive and guard post in the area between the existing primary and aeration tank in lieu of constructing a concrete curb and sidewalk. The proposed revisions are as shown on the attached drawing No. B-1, Sheet 16 of 153.

1,684.00

Item No. 5

Furnish all labor and material necessary to remove, turn and reinstall door and frame for door opening No. 7 on the lower level of the stair well at the southeast corner of the new aeration tanks.

210.00

Item No. 6

Furnish all labor and material necessary to install five new door restraints on the five new 3' - 10" wide aluminum doors located in the existing aeration building. The restraints shall be manufactured of stainless steel and mounted at the top of the door

775.00

PAGE NO. 3

CHANGE ORDER NO. 14

PROJECT Division I - Water Pollution Control Plant Additions

Add

Deduct

Item No. 7

Furnish all labor and material necessary to remove 5 existing 6" manually operated primary sludge plug valves and replace with 5 new pneumatic operated plug valves as shown on attached Figure "A".

\$ 5,809.00

Total Add

\$34,782.00

Note:

These changes will require extension of the contractual completion date from January 18, 1978, to February 8, 1978. This change amounts to a 21 calendar day time extension due to equipment delivery and labor time required to install the equipment.

RECOMMENDED:

HENRY B. STEEG & ASSOCIATES, A DIVISION
OF HOWARD NEEDLES TAMMEN & BERGENDOFF

By

Ray H. Kocher

Title

Project Engineer Date 4/20/77

ACCEPTED:

HAGERMAN-SHAMBAUGH

ACCEPTED FOR: HAGERMAN CONSTRUCTION CORP.
CONTRACTOR

By

Mark A. Hagerman

Title

Vice Pres. Date 4/21/77

ACCEPTED FOR: SHAMBAUGH & SON, INC.
CONTRACTOR

By

Sam Z. Shambaugh

Title

Genl. Mgr. Date 4-26-77

APPROVED:

CITY OF FORT WAYNE, INDIANA

OWNER

By

Henry P. Wehrenberg
Henry P. Wehrenberg, Chairman

Ethel H. LaMar

Ethel H. LaMar, Member

Max G. Scott

Max Scott, Member

Title

BOARD OF PUBLIC WORKS

Date:

5/9/77

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: The replacement of the existing steel sample lines located in the existing aeration pipe gallery is necessary because the existing lines are deteriorated and in poor condition. The existing piping has been in service for 36 years and has corroded and deteriorated to failure. The replacement of these lines with new PVC pipe will decrease the chance of clogging and flow stoppage.

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Additional labor and material will be required.

3. Affect on operation and maintenance cost of this project:

With the installation of the new piping less maintenance will be required for pipe repair and the chance of the plugging will be reduced.

Engineer

Item No. 2

Board Order No. _____

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: The removal and replacement of the padding air line that supplies air pressure to the railroad tank cars to facilitate unloading into the plants storage tank is proposed to reduce the problems of corrosion and malfunction of the present pipe. Liquid chlorine is very corrosive if moisture should be present. By the replacement of the present 1" Schedule 40 galvanized steel pipe with a new 1" Schedule 80 black iron pipe, a much longer service life of the piping system and reduction of safety hazards associated with handling of liquid chlorine are expected.
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Additional labor and material will be required.

3. Affect on operation and maintenance cost of this project:

N/A

Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: The application of a waterproof membrane to the top slabs of the aeration tank pipe gallery and the water side of the common wall between the pipe gallery and the aeration tanks is proposed because leaks have been experienced from cracks in existing walls of the pipe gallery. The membrane material proposed will provide a water tight wall and slab.
- _____
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Additional labor and material will be required.

3. Affect on operation and maintenance cost of this project:

N/A

Engineer

Item No. 4REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: A revision of the new access drive to the new Blower Building un-
loading dock located between the existing primary and aeration tanks is necessary be-
cause tunnel vents could not be located as planned. With the proposed revisions the
entire area between the tanks can be utilized as a drive permitting access for larger
trucks to the unloading dock. The construction of the planned new side walk will not
be necessary because the top of the new chemical channel can be utilized as a walkway.
This change will also delete a crushed stone area between the drive and walk.
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Little affect.

3. Affect on operation and maintenance cost of this project:
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: The direction of the swing of door No. 7 located on the lower level of the stairwell at the southeast corner of the new aeration tanks is necessary to provide easy rapid exit from aeration pipe gallery. The changes that will be required are to remove, reverse and reinstall the door and remove the door lock. This will make egress from the building easier and quicker in case of an emergency.
- _____
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

N/A

3. Affect on operation and maintenance cost of this project:
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: The addition of 5 new door restraints is required for doors located in the existing Aeration Building because the size of each door with wind pressure can not be restrained with ordinary closures. The closures furnished are a standard size to handle the new 4'x7' doors; however, when there is a wind load applied a sturdy restraining device is needed to prevent damaging the doors.
- _____
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Additional labor and material will be required.

3. Affect on operation and maintenance cost of this project:
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: The replacement of the five existing 6" plug valves is
proposed so that the same control and operation technique can be used on all
primary sludge drawing lines.

2. Will proposed change alter size of the project? Yes X No _____

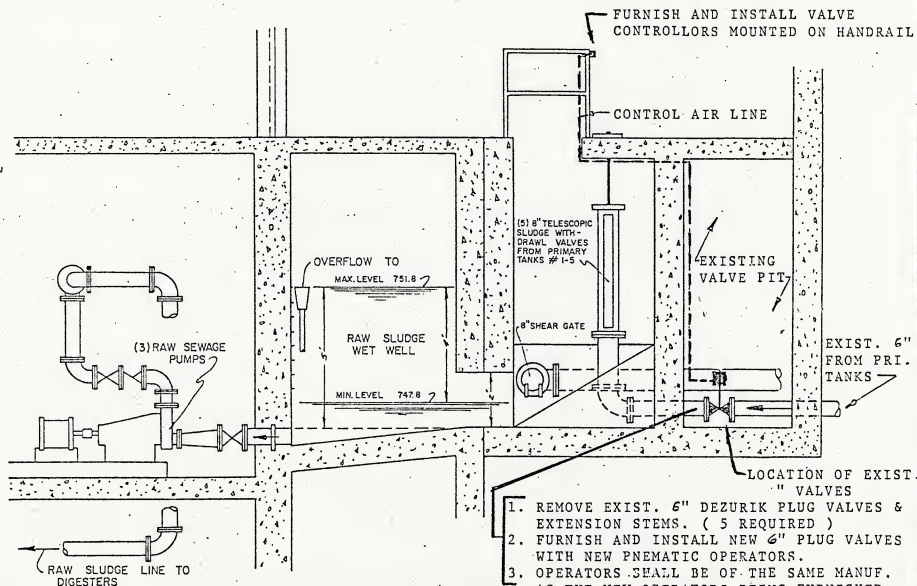
If yes, explain

Additional labor and material will be required.

3. Affect on operation and maintenance cost of this project:

The control of all valves will be located in the same location and the accuracy
of valve control will be improved.

Engineer



RAW SLUDGE WET WELL & PUMPS
MAIN CONTROL BLDG.

HENRY B. STEEG & ASSOCIATES
 A DIVISION OF HOWARD NEEDLES TAMMEN & BERGENDOFF
 ENGINEERS
 INDIANAPOLIS, INDIANA

1. REMOVE EXIST. 6" DEZURIK PLUG VALVES & EXTENSION STEMS. (5 REQUIRED)
2. FURNISH AND INSTALL NEW 6" PLUG VALVES WITH NEW PNEUMATIC OPERATORS.
3. OPERATORS SHALL BE OF THE SAME MANUF. AS THE NEW OPERATORS BEING FURNISHED AS SHOWN ON SHEET NO. RS-1.

FIGURE A
 WASTEWATER TREATMENT PLANT
 CITY OF FORT WAY, INDIANA

22-1
TITLE OF ORDINANCE SPECIAL ORDINANCE - CHANGE ORDER NO. 14 (HAGERMAN-SHAMBAUGH) JOINT
BIDDERS IN AMOUNT OF \$34,782. FOR DIVISION I - WASTEWATER PLANT
DEPARTMENT REQUESTING ORDINANCE BOARD OF PUBLIC WORKS

SYNOPSIS OF ORDINANCE CHANGE ORDER NO. 14 OF HAGERMAN - SHAMBAUGH, JOINT BIDDERS

IN AMOUNT OF \$34,782. FOR SEVEN ITEMS WHICH PROVIDE FOR (1) INSTALL 2000 L.F. 1"
AND 100 L. F. 1½" SCHEDULE 80 P.V.C. AERATION PIPE GALLERY LINES, (2) INSTALL 800 L. F.
OF 1" SCHEDULE 80 BLACK IRON PIPE PLUS FITTINGS FOR CHLORINE TANK CAR, (3) WATERPROOF
MATERIAL TO NORTH AND EAST INTERIOR WALLS OF AERATION TANKS WITH VULKEM 101 AND 350
(4) INSTALL ASPHALT DRIVE AND GUARD POST BETWEEN PRIMARY AND AERATION TANK (5) REINSTALL
DOOR AND FRAME FOR DOOR OPENING NO. 7 (6) INSTALL FIVE NEW DOOR RESTRAINTS IN EXISTING
AERATION BUILDING (7) REMOVE FIVE 6" MANUALLY OPERATED PRIMARY SLUDGE PLUG VALVES
AND REPLACE WITH FIVE NEW PNEUMATIC OPERATED PLUG VALVES.

(SEE ATTACHED EXPLANATIONS)

TOTAL REVISED CONTRACT AMOUNT INCLUDING THIS CHANGE IS \$21,146,931.10

EFFECT OF PASSAGE NECESSARY CHANGES FOR EFFICIENT OPERATION PLUS SAVINGS

EFFECT OF NON-PASSAGE INEFFICIENT OPERATION

MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) \$34,782. FROM FEDERAL FUNDS.

ASSIGNED TO COMMITTEE